

Quakers Hill Water Resource Recovery Facility Advanced Treatment Upgrade and PRW Scheme

Delivering our water future

Sydney Water is delivering a transformative investment in our city to ensure our water, wastewater and stormwater systems meet the needs of our customers now and in the future.

Our infrastructure delivery is timed to support the NSW Government's growth ambitions and is aligned with housing supply policy. New infrastructure, amplifications and upgrades will ensure the resilience and reliability of our water supply for generations to come.

The expansive program of work is being delivered across Greater Sydney, including the Blue Mountains and the Illawarra. A significant number of projects are currently in planning, while many are in delivery or have been completed.

Explore the [Major Projects Pipeline](#).

Greater Sydney currently relies on rainfall for over 85 per cent of its water supply, with the other 15 per cent coming from desalination. With over 5.3 million customers, and an extra 2 million expected by 2050, challenges like climate change, drought and population growth mean we need to think about water differently.

We need to investigate sustainable, reliable and safe water supply options that are independent of rainfall. Purified recycled water (PRW) is one of those options.

PRW is water recycled from industry and homes (including from kitchens, showers and toilets) that has been purified to meet strict Australian Guidelines for Water Recycling to supplement drinking water sources (such as rivers and dams).

Treating wastewater locally for beneficial reuse, which includes the production of PRW, is a better and cheaper way to manage our wastewater system and can provide an alternative water supply source as our city grows.

Sydney Water is upgrading our Quakers Hill facility to service our growing population, including upgrades to support the delivery of PRW schemes.

The Quakers Hill project involves:

- expansion of wastewater treatment capacity to service forecast growth
- improvement of the quality of treated wastewater generated at Quakers Hill WRRF with advanced wastewater treatment processes
- a new 20 to 25 ML/d Purified Recycled Water Plant
- new pipeline(s) to transfer recycled water from Quakers Hill to Prospect Reservoir
- infrastructure at Prospect Reservoir to facilitate the introduction of recycled water into the water supply.

Benefits for our customers and communities



Efficient and cost-effective wastewater services



PRW could provide up to 25 per cent of Greater Sydney's water needs by 2056



Approximately 200 new jobs created during construction



Reliable wastewater services to support 150,000 people when constructed



20-25 ML/d of rainfall independent water supply for Greater Sydney



Protect local waterways, including Breakfast Creek and the Hawkesbury-Nepean River system, and aquatic ecosystems via environmental flows

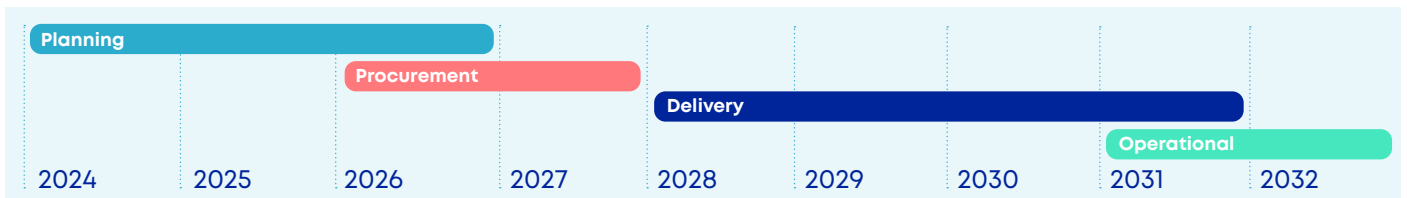
Investment  **\$0.9 – 1.2 billion**

Location



The Quakers Hill project involves expansion of wastewater treatment capacity to service forecast growth.

Project timeline



Contact us

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This information is correct at the time of printing.

Please visit sydneywater.com.au for the latest updates.

